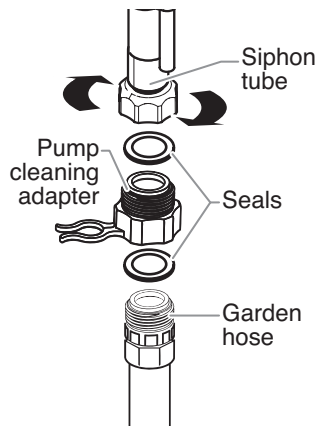


## Special Cleanup

**IMPORTANT: Perform the following procedure after spraying with water-based materials only.**

Perform the following procedure when the valves of the sprayer are stuck or when preparing the sprayer for long term storage. The use of a pump cleaning adapter that attaches to the bottom of the siphon tube is required (the pump cleaning adapter is included with the sprayer).

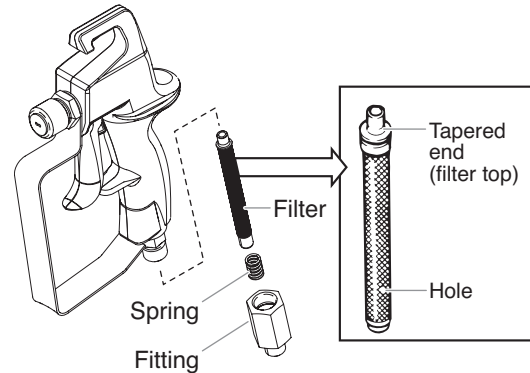
1. Lock the gun and remove the spray tip assembly. If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock. Move the spray gun to its original position and tighten the clamp knob. Place the suction tube and return tube into an empty waste container.
2. Using a garden hose, rinse off the siphon tube, return hose and inlet filter. Empty the waste container.
3. Remove the inlet filter from the suction tube and place into a waste container.
4. Verify that the seals are present inside the adapter and suction tube. Thread the pump cleaning adapter onto a garden hose. Connect the hose and adapter to the fitting on the end of the siphon tube.
5. Unclip the return hose from the siphon tube and place it into the waste container.
6. Turn the PRIME/SPRAY knob to the PRIME position.
7. Turn on the water supply.
8. Start the engine. Water will go into the siphon tube and out through the return hose. Let the sprayer run for a few minutes to allow the return hose to be flushed.
9. Turn off the sprayer by pressing and holding the engine shutoff switch until the motor shuts off.
10. Place a metal waste container underneath the spray gun to catch the cleaning solution.
11. Start the engine.
12. Turn the PRIME/SPRAY knob to the SPRAY position.
13. Fully pull the spray lever on the cart handle to rev the engine, pressurize the sprayer, and trigger the spray gun. Fluid will begin flowing through the spray hose and out of the gun.
14. Continue to pull the spray lever on the cart handle until the material is flushed out of the hose and the water coming out of the gun is clean.
15. Release the spray lever.
16. Follow the "Pressure Relief Procedure" found in the Operation section of this manual.



## Cleaning/Replacing the Gun Filter

The gun filter must be cleaned after every use of the sprayer. When using thicker spray materials, the filter might need to be cleaned more often.

1. Perform Pressure Relief Procedure in the Operation section of this manual.
2. Unscrew the fitting from the bottom of the spray gun using an adjustable wrench, making sure not to lose the spring.
3. Remove the filter from the spray gun housing and clean with the appropriate cleaning solution (warm, soapy water for latex paints, mineral spirits for oil-based materials).
4. Inspect the filter for holes. Replace if holes are found.



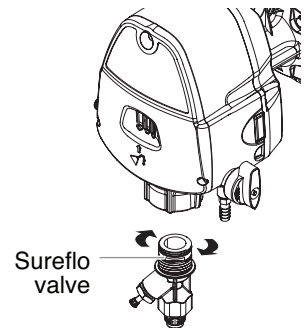
**NOTE: Never poke the filter with a sharp instrument!**

5. Replace the cleaned filter, tapered end first, into the gun housing. The tapered end of the filter must be loaded properly into the gun. Improper assembly will result in a plugged tip or no flow from the gun.
6. Reassemble the spray gun.

## Cleaning the Sureflo™ Valve Assembly

Cleaning or servicing the Sureflo Valve may be required if the unit has priming problems.

1. Remove the siphon tube.
2. Unscrew the inlet valve assembly from the sprayer. Visually inspect the inside and outside of the Sureflo Valve assembly. Clean any paint residue with the appropriate cleaning solution.
3. Lubricate the o-ring on the Sureflo Valve with petroleum jelly. Replace Sureflo valve assembly by threading it into the sprayer. Torque to 32–38 ft./lbs.
4. Replace the siphon tube and tighten securely.



**NOTE: If priming problems continue, you may need to replace the Sureflo valve. Contact Technical Service to order a new Sureflo Valve assembly.**

## Maintenance



**Before proceeding, follow the Pressure Relief Procedure outlined previously in this manual. Additionally, follow all other warnings to reduce the risk of an injection injury, injury from moving parts, or electric shock.**

### General Repair and Service Notes

The following tools are needed when repairing this sprayer:

flat-blade screwdriver	T20 Torx head driver
needle-nose pliers	adjustable wrench

1. Before repairing any part of the sprayer, read the instructions carefully, including all warnings.

**IMPORTANT: Never pull on a wire to disconnect it. Pulling on a wire could loosen the connector from the wire.**

2. Test your repair before regular operation of the sprayer to be sure that the problem is corrected. If the sprayer does not operate properly, review the repair procedure to determine if everything was done correctly. Refer to the Troubleshooting section to help identify other possible problems.
3. Make certain that the service area is well ventilated in case solvents are used during cleaning. Always wear protective eyewear while servicing. Additional protective equipment may be required depending on the type of cleaning solvent. Always contact the supplier of solvents for recommendations.
4. If you have any further questions concerning your TITAN Airless Sprayer, call TITAN:

Technical Service (U.S.) ..... 1-800-526-5362

Fax ..... 1-800-528-4826

## Adjusting the Trigger Tension

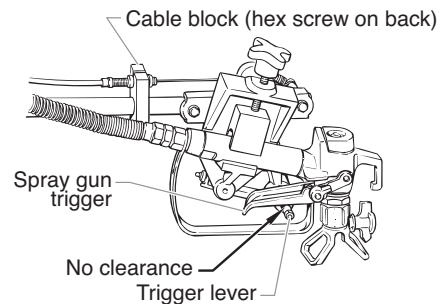
Use the following procedure to adjust the spring tension of the trigger lever on the gun holder assembly. The trigger lever pulls and releases the spray gun trigger when operated from the spray lever on the cart. The proper tension ensures that the gun will shut off when the gun trigger is released.

**IMPORTANT: Always keep the trigger lock on the spray gun in the locked position while making adjustments to the system. If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock. Move the spray gun to its original position and tighten the clamp knob.**



**Before proceeding, follow the Pressure Relief Procedure outlined previously in this manual.**

1. Using a 9/16" hex wrench, loosen the hex screw on the cable block.
2. Move the cable block in the appropriate direction so there is a maximum of 1/32" of movement by the spray gun trigger and trigger lever before the spray gun opens.
  - a. If the trigger lever is pushing on the trigger and opening the spray gun, slide the cable block toward the gun until the trigger settles into its normal position. Make sure the trigger lever is still flush against the trigger.
  - b. If there is a gap between the trigger lever and the spray gun lever, slide the cable block away from the gun.



3. Tighten the hex screw securely.

## Maintaining the Engine

**NOTE: For detailed engine specifications and maintenance, refer to the separate engine manual supplied with this sprayer.**

### Routine Engine Maintenance

#### Daily

- Check and fill the gas tank.
- After the first 20 hours of operation, drain the oil and refill with clean oil. Check the engine oil level and fill as necessary.

#### Weekly

- Remove the cover of the air filter and clean the element. Replace the element if necessary. If operating in an unusually dusty environment, check the filter daily and replace if necessary. (Replacement elements can be purchased from your local Titan dealer.)
- After each 50 hours of operation: Change the engine oil.

## Safety Shut-Off Switch

The safety shut-off switch is pre-set by the factory to shut down the sprayer to prevent over-pressurization. Do not attempt to adjust or tamper with the safety shut-off switch. Contact an authorized service center if this setting requires adjustment.

**NOTE: The safety shut-off switch should be set to shut down the sprayer between 3200 – 3300 PSI.**